THE ARTHREX

TRIM-IT™ Screw System

The TRIM-IT Screws are the first in a family of bioabsorbable, "trim-to-length" screws for small joint surgery

Arthrex®

TRIM-IT Screw System

Bioabsorbable Experience

- Over 1,000,000 bioabsorbable implants successfully placed since 1994
- More surgeons worldwide trust Arthrex for their bioabsorbable implants
- The "Gold Standard" for ACL graft fixation

Formula

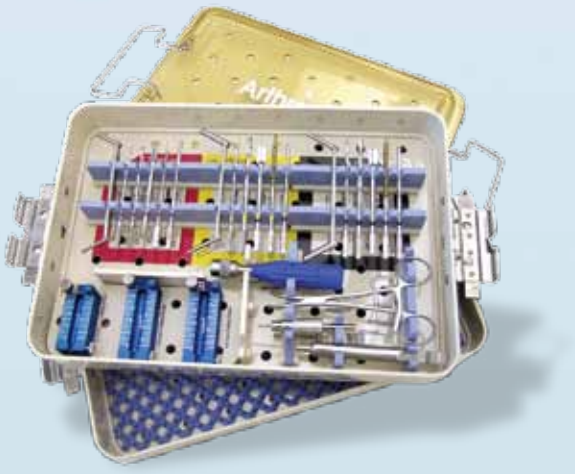
- 100% PLLA (poly(L-lactide))
- Leading the way in strength and biocompatibility
- Documented material safety

Bioabsorbable Advantages

- Radiolucency
- No need for removal
- Clinical outcomes equivalent to metal
- Closer to the elastic modulus of bone
- Predictable resorption with replacement by bone
- No surrounding demineralization
- Simply drill through implant in revisional cases

TRIM-IT Advantages

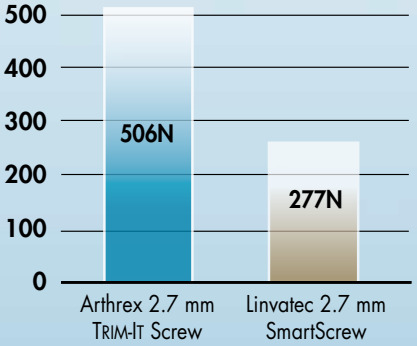
- Each screw type comes in one length
- Trim and resharpen each screw to the desired length
- Significant savings due to decreased stocking costs to carry inventory
- Standard AO insertion technique
- Standard instrumentation with hexagonal driver
- Modular sets with customization



Strength Resorption Data

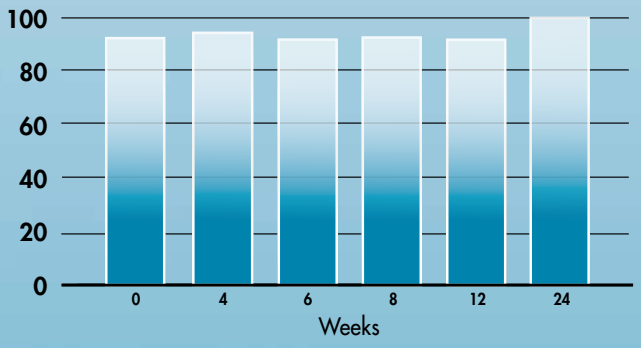
Superior Strength

Pull-out Strength
Average Load-to-Failure (N)



Strength During Critical Healing Phase

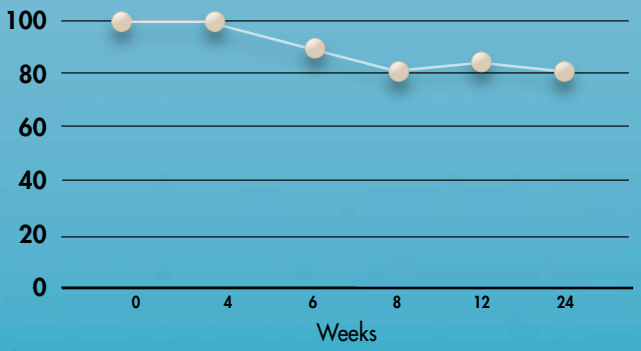
3.5 mm TRIM-IT Strength Retention
Normalized Shear Force



*Test showed no statistically significant difference in shear force over time

Predictable Resorption

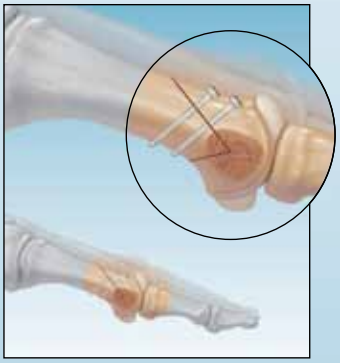
3.5 mm TRIM-IT Screw Degradation
Normalized Molecular Weight



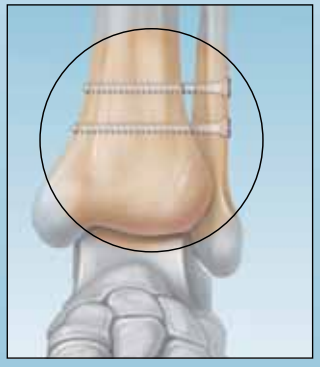
*Test reports on file

Common Procedures

Indicated for the Fixation of Osteotomies, Fractures, and Fusions of the Foot and Ankle



The modified Chevron osteotomy using two 2.7 mm screws



Screw fixation in unstable ankle fractures obviating the need for screw removal

3.5 mm or 4 mm screws are used for this procedure

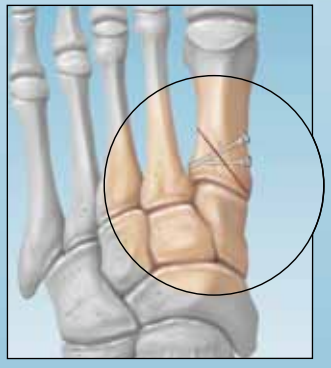
Fixation of metaphyseal and diaphyseal fractures of the fifth metatarsal using a 3.5 mm screw

Lisfranc fracture/dislocation fixation without the need for hardware removal

Additionally, tarsometatarsal arthrodesis fixation using 3.5 mm or 4 mm screws

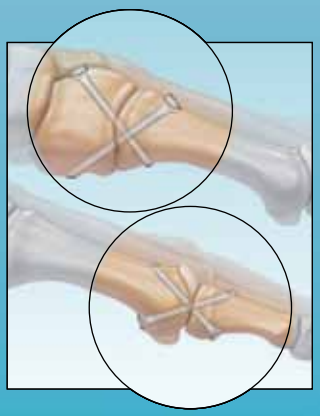
Actual Sizes (bottom-top) 2.7 x 30 mm, 3.5 x 40 mm, 4 x 50 mm and 4.5 x 60 mm

Calcaneal slide osteotomy using two 4.5 mm cannulated screws



First metatarsal base and shaft osteotomies using one or two 2.7 mm, 3.5 mm or 4 mm screws

Ankle fracture fixation of the medial or lateral malleolus using 3.5 mm or 4 mm screws

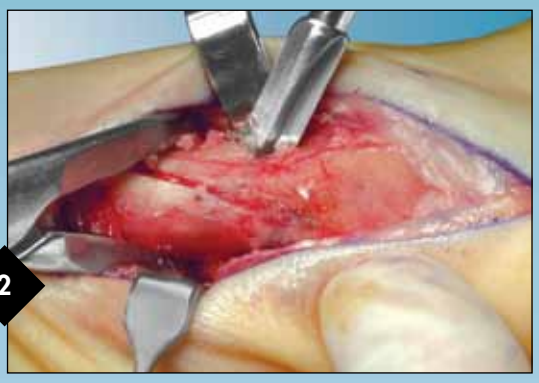


Arthrodesis of the first metatarsal/ cuneiform joint (Lapidus) or first metatarsal phalangeal joint using 3.5 mm or 4 mm screws

Surgical Technique

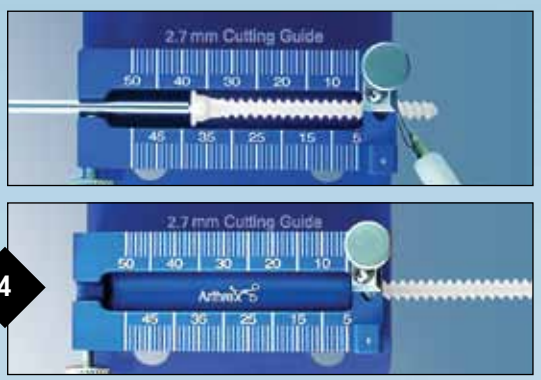
Modified Chevron Osteotomy of the First Metatarsal (using 2.7 mm x 30 mm TRIM-IT Screw)

Osteotomy is stabilized with Bone Reduction Forceps or K-wire prior to fixation. Drill both cortices with the 2 mm Drill Bit.



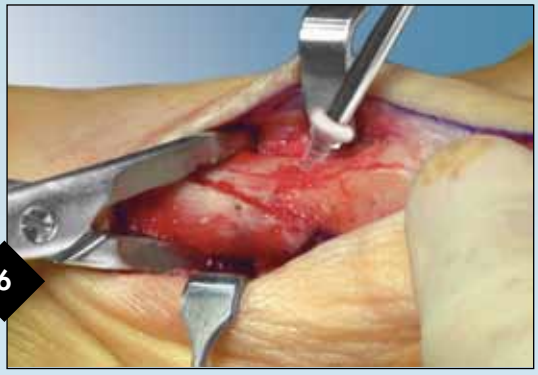
A 2.7 mm Drill Bit may be used in the proximal cortex for optional lag technique. Adequate countersinking is performed to allow room for flush fit of the screw head.

A Depth Gauge is used to determine screw length. *Note: It is suggested to add 1-2 mm to the measured length, to account for resharpening (step 4).*



The screw is trimmed to desired length with the Hot Loop Cutter and then resharpened. Note the locking thumbscrew in the guide for stabilization of the driver/screw assembly.

The Bone Tap is used to prepare threads in the proximal and distal cortex. The tap should pass through the distal cortex 3-4 threads to ensure proper thread path.



The screw is inserted to a maximum of "two-finger" tightness. Take care not to overtighten. Optionally, the screw tip or the head can be trimmed to avoid prominence.

Ordering Information

Implants:

TRIM-IT Fixation Screw, 2.7 mm x 30 mm	AR-4161B
TRIM-IT Fixation Screw, 3.5 mm x 40 mm	AR-4162B
TRIM-IT Fixation Screw, 4 mm x 50 mm	AR-4163B
TRIM-IT Fixation Screw, 4.5 mm x 60 mm (cannulated)	AR-4164B

TRIM-IT Osteotomy Screw Fixation Disposables Kit (AR-4161DS) includes:

TRIM-IT Fixation Screw, 2.7 mm x 30 mm
Drill Bit, 2 mm, pin tip

TRIM-IT Instrumentation Master Set (AR-4160S) includes:

TRIM-IT Instrumentation Set, Common:

Small Handle w/AO Connection	AR-2001AOT
Cannulated AO Adapter	AR-4160AOC
Bone Reduction Forceps with Teeth	AR-4160FT
Depth Gauge, Small	AR-4166
TRIM-IT Screw 2.7 mm, 3.5 mm and 4.5 mm Instrument Tray	AR-4160C
Tear Drop Handle with AO connection	AR-2001AO

TRIM-IT 2.7 mm Instrumentation:

Drill Bit, 2 mm	AR-4160-20
Drill Bit, 2.7 mm	AR-4160-27
Countersink, 2.7 mm	AR-4161
Driver Shaft, 2.7 mm	AR-4161DB
Drill Guide, 2 mm/2.7 mm	AR-4161G
Screw Cutting Guide, 2.7 mm	AR-4161J
Bone Tap, 2.7 mm	AR-4161TB

TRIM-IT 3.5 mm Instrumentation:

Drill Bit, 2.6 mm	AR-4160-26
Drill Bit, 3.5 mm	AR-4160-35
Countersink, 3.5 mm	AR-4162
Driver Shaft, 3.5 mm	AR-4162DB
Drill Guide, 2.6 mm/3.5 mm	AR-4162G
Screw Cutting Guide, 3.5 mm	AR-4162J
Bone Tap, 3.5 mm	AR-4162TB

TRIM-IT 4 mm Instrumentation:

Drill Bit, 2.4 mm	AR-4160-24
Drill Bit, 4 mm	AR-4160-40
Countersink, 4 mm	AR-4163
Driver Shaft, 4 mm	AR-4163DB
Drill Guide, 2.4 mm/4 mm	AR-4163G
Screw Cutting Guide, 4 mm	AR-4163J
Bone Tap, 4 mm	AR-4163TB

TRIM-IT 4.5 mm Instrumentation (AR-4164S):

Drill Bit, 3.4 mm	AR-4160-34
Drill Bit, 4.5 mm	AR-4160-45
Countersink, 4.5 mm	AR-4164
Driver Shaft, 4.5 mm	AR-4164DB
Drill Guide, 3.4 mm/4.5 mm	AR-4164G
Screw Cutting Guide, 4.5 mm	AR-4164J
Bone Tap, 4.5 mm	AR-4164TB
Cannulated Depth Gauge	AR-4168

TRIM-IT Disposables:

Hot Loop Cutter, sterile, single use	AR-4160HC
Guide Wire, .045"	AR-8933K

TRIM-IT Accessories:

Bone Cutting Forceps	AR-1367F

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's directions for use.

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